



### EXPLANATION

- Area of the Appalachian basin coal region**
- Pennsylvanian percent vitrinite reflectance (% $R_0$ )**—Dashed where approximate.  
Isograds are shown in 0.2-% $R_0$  intervals, except in the Pennsylvania Anthracite region, in which intervals are 0.5 % $R_0$  because data are sparse
- Lower and Middle Devonian conodont color alteration index isograds**—Isograds are shown in 0.5-% $R_0$  intervals (Repetski and others, this volume, chap. F.1)
- Allegheny structural front (ASF)**
- Structural discontinuity**—P-WSD, Pittsburgh-Washington; T-MUSD, Tyrone-Mount Union
- Normal fault**—HF, Highlandtown; PF, Pottchuck

**Figure 9.** Map of Pennsylvanian percent-vitrinite-reflectance (% $R_0$ ) isograds superimposed on Lower and Middle Devonian conodont-color-alteration index (CAI) isograds of Repetski and others (this volume, chap. F.1) in the Pennsylvania Anthracite region and in the Main bituminous coal field in Pennsylvania.